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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/486,307	02/24/2000	HELMUT KREUZER	1041	6834

7590 02/19/2002

STRIKER STRIKER & STENBY
103 EAST NECK ROAD
HUNTINGTON, NY 11743

EXAMINER

PEREZ, GUILLERMO

ART UNIT

PAPER NUMBER

2834

DATE MAILED: 02/19/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/486,307

Applicant(s)

KREUZER, HELMUT

Examiner

Guillermo Perez

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 7-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 7-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 April 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Continued Prosecution Application

The request filed on January 17, 2002 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 09/486,307 is acceptable and a CPA has been established. An action on the CPA follows.

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the electrically parallel connection of the main and the auxiliary winding must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Objections

Claim 7 is objected to because of the following informalities: in line 2, the word "penetratable" should read ---penetrable---. Appropriate correction is required.

The claims are objected to because they include reference characters which are not enclosed within parentheses.

Reference characters corresponding to elements recited in the detailed description of the drawings and used in conjunction with the recitation of the same element or group of elements in the claims should be enclosed within parentheses so

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as to avoid confusion with other numbers or characters which may appear in the claims.

See MPEP § 608.01(m).

Claim 1, line 9 mention the reference number "28" without parenthesis. The should be in parenthesis.

Claim 1, line 10 mention the reference number "24", but the drawings do not show a reference number "24".

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

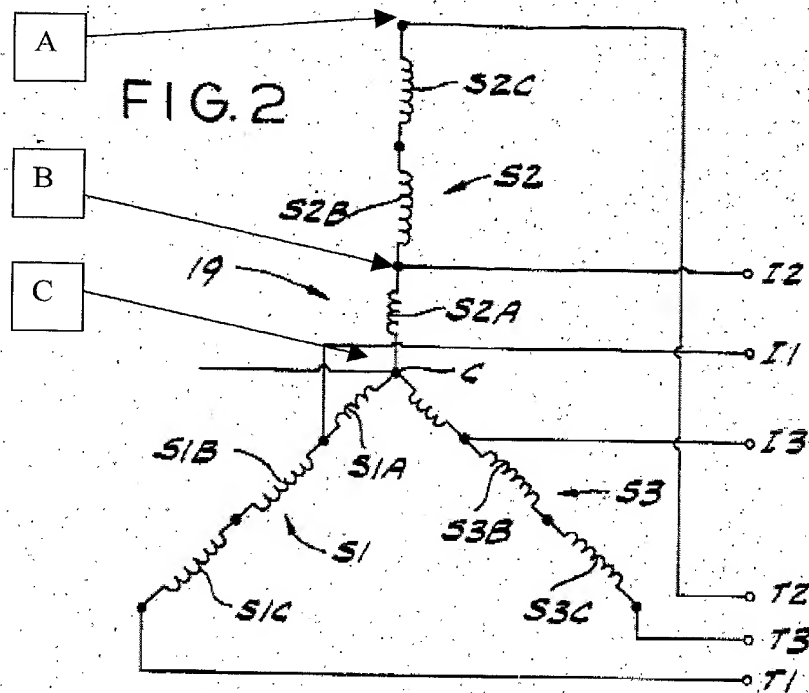
1. Claims 7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boyd, Jr. (U. S. Pat. No. 4, 528, 485) in view of Ewing et al. (U. S. Pat. No. 5, 625, 241) and further of Uuskoski (U. S. Pat. 5,451,854) in view of Keljik ("Electric Motors and Motor Controls").

Boyd, Jr. discloses a three-phase dynamoelectric machine comprising:
a winding packet (figure 2) that is penetrable by a rotating magnetic field;
a number of winding (S1,S2,S3) of the winding packet being respectively connected together into at least one phase (T1,T2,T3) at which a dynamoelectric voltage is tapped. Boyd, Jr. discloses that the winding is comprised of a number of parallel wound winding wires (S). Boyd, Jr. discloses that out of at least three parallel wound winding wires (S) of a phase, at least two (S2B, S2C) are connected to separate

phase terminals (I2) at each of which a partial dynamoelectric voltage is tapped. Boyd, Jr. discloses that the windings constitute a main winding (S2B,S2C) and the windings constitute an auxiliary winding (S2A).

Boyd, Jr. discloses that all the windings are located in a star-shaped configuration and are connected with one another in a center point. Boyd, Jr. discloses that the main winding (S2B,S2C) and the auxiliary winding (S2A) of the winding packet each having three phases (1,2,3). Boyd, Jr. discloses that the main winding (S2B,S2C) of each phase (1,2,3) having one winding (S2) and the auxiliary winding (S2A) of each phase (1,2,3) having one winding (S2A). Boyd, Jr. discloses that the main windings (S2B,S2C) and the auxiliary windings (S2A) each having two opposite winding ends (A,B,C). Boyd, Jr. discloses that each main winding (S2B,S2C) and each auxiliary winding (S2A) having one of the winding ends (B,C) which faces the star-shaped configuration (C) with which the windings (S1, S2, S3) are connected with one another in the star-shaped configuration (C).

Boyd, Jr. discloses that the main windings (S2B,S2C) and the auxiliary windings (S2A) each having winding ends (A,B) which face away of the star-shaped configuration (C) and each connected with a phase terminal (T2), at winding ends (A,B) which face away of the star-shaped configuration (C) of the windings of the main winding (S2B,S2C) and of the windings of the auxiliary winding (S2A). Boyd, Jr. discloses an input voltage which is separate from one another being fed.



Boyd, Jr. discloses that the windings (figure 2) are constituted by a common conductor bundle. Boyd, Jr. discloses that the auxiliary winding has at least one winding wire.

However, Boyd, Jr. does not disclose that both windings of a phase being connected electrically parallel to one another. Boyd, Jr. does not disclose that the main winding has at least two parallel connected winding wires.

Ewing et al. disclose that both windings of a phase being connected electrically parallel to one another. Ewing et al. disclose that the main winding has at least two parallel connected winding wires (figure 10). The invention of Ewing et al. has the purpose of providing for different connection alternatives of the embodiment.

Uuskoski discloses that the main winding (R12,R13) and the auxiliary winding (R11) being connected electrically parallel to one another (figure 1). Uuskoski's invention has the purpose of reducing the starting current of a dynamoelectric machine.

Keljik disclose that an electric motor can be reversed to be used as an electric generator (page 139).

It would have been obvious at the time the invention was made to modify the dynamoelectric machine of Boyd, Jr. and provide it with the winding configuration of Ewing et al., Uuskoski and Keljik for the purpose of providing for different connection alternatives of the embodiment and reducing or increasing the current amount being passed through the system.

Response to Arguments

Applicant's arguments with respect to claims 7-10 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Guillermo Perez whose telephone number is (703) 306-5443. The examiner can normally be reached on Monday through Thursday and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on (703) 308 1371. The fax phone numbers for the organization where this application or proceeding is assigned are (703)

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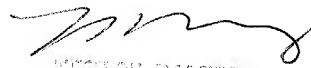
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305 3432 for regular communications and (703) 305 3432 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308 0956.

Guillermo Perez
February 9, 2002


GUILLERMO PEREZ
RECEIVED
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